

OPERATION CRITERIA FOOTNOTES

Studies will be done in two tiers:

1) The re-circulation study will be based on no net loss to the projects. It is intended to borrow water from San Luis Reservoir at the beginning of the Pulse Flow period, April 15, to prime the system and then return it back prior to May 16, end of the Pulse Flow period.

Baseline Operation Criteria

- 1 1995-level hydrology and demands are assumed. South of Delta SWP demands vary between 3.5 MAF in drier years down to 2.6 MAF in wetter years. Annual south of Delta CVP demands are 3.4 MAF. CVP and SWP facilities are operated to meet the SWRCB May 1995 Water Quality Control Plan for the Bay-Delta (WQCP), except Vernalis; the facilities are also operated to meet the CVPIA (b) (2) Delta Actions. Trinity River minimum flows below Lewiston Dam are between 367-815 TAF.

Vernalis Objectives

- 1 Vernalis flows are according to the Vernalis Adaptive management plan (VAMP). The minimum pulse flows on the San Joaquin River at Vernalis are maintained at 2000 to 7000 cfs depending on water year type. Water quality objectives on the San Joaquin River at Vernalis are 0.7 mS/cm EC in April through August and 1.0 mS/cm EC in other months. The above water quality flow requirements at Vernalis are maintained primarily by releasing additional water from New Melones Reservoir. Salinity requirements may be violated when New Melones drops to minimum storage.

Prescriptive Delta Actions

- 1 CVP and SWP facilities are operated to meet additional prescriptive Delta actions above the Baseline Operation Criteria as follows: 1) If the January San Joaquin River flow at Vernalis is greater than the upper 25 percentile (about 4,150 cfs), exports are reduced for 10 days in February to 1100 cfs; 2) In February and March, a minimum QWEST of 1000 cfs is maintained if the January 8 River Index is less than 1.0 MAF. If the January 8-River index is greater than 1.0 MAF, a minimum QWEST of 0 cfs is maintained; 3) A minimum QWEST of 0 cfs is maintained in December and January if the November 4-River (San Joaquin River) index is greater than 1.1 MAF. Additionally, if the December 4-River (San Joaquin River) index is between 0.75 and 1.3 MAF, a minimum QWEST of 0 cfs is maintained in January; 4) In April through June, a minimum QWEST of 1000 cfs is maintained and 5) VAMP exports criteria are extended to 61 days in April and May.

South Delta Criteria

- 1 Full and unlimited joint point of diversion is assumed. Banks pumping plant capacity is 10,300 cfs.
- 2 Full and unlimited joint point of diversion is assumed. Banks pumping plant capacity is 10,300 cfs; actual pumping is constrained in accordance with 1981 Corps criteria (Public Notice 5820A).

San Joaquin River Recirculation Criteria

- 1 It is intended to borrow water from San Luis Reservoir at the beginning of the Pulse Flow period, April 15, to prime the system and then return it back prior to May 16, end of the Pulse Flow period.

Don Pedro and Exchequer Vernalis Operations

- 1 Reservoir operation in accordance to supplemental water provided for VAMP (up to 110,000 acre-feet from the Joaquin River Group)

New Melones Vernalis Operation

- 1 The Stanislaus River is operated according to the U. S. Bureau of Reclamation's New Melones Interim Operational Plan. The annual fish release ranges from 98 to 472 TAF and the annual water quality release ranges from 70 to 250 TAF. (It is recognized that this Interim Operational Plan will not always meet the Vernalis water quality objective).

San Luis Vernalis Operation

- 1 Wheeling of CVP water through SWP facilities to unused San Luis Reservoir storage is permitted as needed to meet Vernalis flow and salinity requirements.

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